1   1.   A method comprising:

2   generating a first spreading sequence;

3   generating a second spreading sequence; and

4   determining the number of times that said first

5   and second spreading sequences are the same.

1   2.   The method of claim 1 including determining the

2   number of times that spreading sequences are different.

1   3.   The method of claim 2 including applying the

2   first and second spreading sequences to an exclusive OR

3   gate.

1   4.   The method of claim 3 including applying the

2   output of an exclusive OR gate to a binary counter.

1   5.   The method of claim 4 including applying the

2   output of said exclusive OR gate to an up/down binary

3   counter.

1   6.   The method of claim 1 including determining a

2   cross-correlation value.

1   7.   The method of claim 6 including determining a

2   cross-correlation value for each of four cross-correlation

3   terms.

1   8.   The method of claim 7 including converting binary

2 to a Binary Phase-Shift Keying.

1   9.   The method of claim 7 including converting binary

2 to a Quadrature Phase-Shift Keying.

1   10.   The method of claim 1 including generating a

2 spreading sequence using a Gold code generator.

1   11.   The method of claim 1 including generating a

2 channel code using a Gold and Hadamard code generator.

1   12.   A circuit comprising:

2   a first spreading sequence generator;

3   a second spreading sequence generator; and

4   a device to determine the number of times that

5 said first and second spreading sequence are the same.

1   13.   The circuit of claim 12 wherein said device

2 determines the number of times that said first and second

3 spreading sequences are different.

1   14.   The circuit of claim 13 wherein said device

2 includes an exclusive OR gate coupled to said generators.

1   15. The circuit of claim 14 wherein said device

2 includes a binary counter coupled to said exclusive OR

3 gate.

1   16. The circuit of claim 15 wherein said binary

2 counter is an up/down binary counter.

1   17. The circuit of claim 12 wherein said device

2 determines a cross-correlation value between the first and

3 second spreading sequences.

1   18. The circuit of claim 17 wherein said device

2 determines a cross-correlation value for each of four

3 cross-correlation terms.

1   19. The circuit of claim 18 wherein said device

2 converts binary to Binary Phase-Shift Keying.

1   20. The circuit of claim 18 wherein said device

2 converts binary to Quadrature Phase-Shift Keying.

1   21. The device of claim 12 wherein said first

2 spreading sequence generator includes a Gold code

3 generator.

1   22. The device of claim 12 wherein said second

2   spreading sequence generator includes a Gold and Hadamard

3   Code Generator.

1   23. An apparatus comprising:

2   a pilot channel multiple access interference

3   cancellation mechanism; and

4   a circuit to calculate the cross-correlation

5   value between spreading sequences, said circuit including a

6   pilot code generator and a channel code generator, and a

7   device to determine the number of times said pilot and

8   channel codes are the same.

1   24. The apparatus of claim 23 wherein said apparatus

2   is a cellular telephone.

1   25. The apparatus of claim 23 wherein said device

2   includes an exclusive OR gate coupled to said pilot code

3   generator and said channel code generator, and a binary

4   counter coupled to said exclusive OR gate.

1   26. The apparatus of claim 23 wherein said pilot code

2   generator is a Gold code generator.

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1   27.   The apparatus of claim 23 wherein said channel

2   code generator includes a Gold and a Hadamard code

3   generator.

1   28.   The apparatus of claim 23 wherein said device

2   converts binary to Binary Phase-Shift Keying.

1   29.   The apparatus of claim 23 wherein said device

2   converts binary to Quadrature Phase-Shift Keying.

1   30.   The apparatus of claim 23 wherein said device

2   determines the number of times that the pilot and channel

3   codes are different.